15-Deoxy-Δ12,14-prostaglandin J2

PPARγ ligand

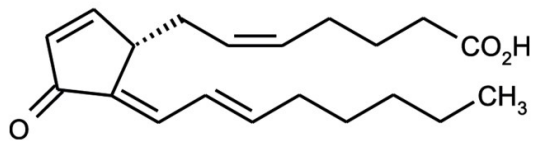
Prostaglandin D2 derived nuclear peroxisome proliferator-activated receptor γ (PPARγ) ligand. Induces apoptosis in a number of cell types including human lung cancer cells, synoviocytes and macrophages. Promotes differentiation of fibroblasts to adipocytes. Antiinflammatory activity. Inhibits angiogenesis. Prevents TNFα induced leptin increase in mice. TRPA1 agonist. Serious doubts as to the biological relevance of this prostaglandin have been raised. Endogenous levels seem to be too low to have any effect as a PPARγ ligand.

Citations: 18 View Online »

Ordering Information Order Online »

BML-PG050-0001	1mg

Manuals, SDS & CofA View Online »


CO2H
CH3
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Handling	It is recommended to add an appropriate solvent directly to the vial.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	15-deoxy-Δ12,14-PGJ2
Appearance	Neat oil. Vials may appear empty because the oil tends to coat the inside of the vial.
CAS	87893-55-8
Couple Target	PPAR, TRP channel
Couple Type	Ligand
Formula	$C_{20}H_{28}O_3$
MW	316.5
Purity	≥97% (TLC)
Solubility	Soluble in 100% ethanol (25mg/ml) or DMSO (25mg/ml).

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